

MINING APPLICATION  
NO. \_\_\_\_\_

Date \_\_\_\_\_

BLUE CAP (LITTLE JOE)

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116



MINING AND RECLAMATION PLAN

(Other forms may be used in lieu of MR 2, provided  
they contain the same information)

1. Name of Applicant or Company Geo-Energy Resources, Inc.
2. Proposed type of operation Underground - Uranium & Vanadium
3. (a) Prior Land Use(s) Mining & Grazing  
(b) Current Land Use(s) Mining & Grazing  
(c) Possible or Prospective Future Land Use(s) Grazing
4. What vegetation exists on the land proposed to be affected Grass  
Scrub Brush & Juniper Trees , if anything  
(a) Types and Estimated Percent cover or density: All, 10% or less
5. What is the range pH of soil before mining? \_\_\_\_\_ pH  
Name of Person or Agency and method of determining pH A soil sample  
has been sent to Union Carbide in Uravan, Co. for determining pH
6. Site elevation above sea level 6600'
7. In case of coal, oil shale, and bituminous sandstone:  
Principal seam(s) and thickness(es) \_\_\_\_\_
8. Estimated duration of mining operations 10 to 20 years
9. Has overburden, waste or rejected materials been classified as acid or alkali producing? ( ) Yes (X) No  
Does the above material being moved have any other characteristics affecting revegetation? No
10. Will any underground workings or aquifers be encountered? (X) Yes ( ) No  
Describe This area has been mined previously  
Is there an active discharge of water from abandoned deep mines on or crossing the land affected? (X) Yes ( ) No If yes, describe the quality of water being discharged. Mine has a small water discharge & sample has been sent to Co. Health Dept. for quality.



11. Describe specifically a detailed procedure for:

- (a) The mining sequence
- (b) The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.
- (c) The procedure for site preparation including removing trees and brush.
- (d) The method for removing and stockpiling topsoil or disturbed materials.
- (e) The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic material.
- (f) A procedure for final stabilization of disturbed materials.

GRADING AND REGRADING

Specifically describe:

- (a) Typical cross-section of regrading.
- (b) The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material.
- (c) What type of soil treatment will be utilized.
- (d) The method of drainage control for the final regraded area.
- (e) Maximum grading slope.

TESTING

1. Describe method for testing stability of reclamation fill material.

Observation of waste dumps

Describe method for the testing of soil that is intended to support vegetation

Soil analysis - Union Carbide

2. Describe any soil treatment employed as an aid to revegetation

None is needed. The vegetation grows readily

3. Describe surface preparation of areas intended to support vegetation:

scarify and reseed

REVEGETATION

1. Revegetation to be completed by:

- (X) Operator - Bore Hole
- ( ) Soil Conservation District
- ( ) Private Contractor

Name

(X) Other (specify) Owner - Portal

- ( ) Hydroseeding
- ( ) Aerial Seeding
- ( ) Conventional or Rangeland Drilling
- (X) Other (specify) Broadcast & Drag

2. Will Mulch be used?

Type \_\_\_\_\_ Rate/Acre \_\_\_\_\_ lbs.



Supplement for page 2 of MR FORM 2

11. a) Random stope and pillar method
- b) Road to portal has been there for more than 20 years.
- c) No additional work is necessary
- d) No additional work is necessary.
- e) No additional work is necessary.
- f) Reseeding & Contouring program.



3. Revegetation Plan and Schedule -

Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted
In consultation with the U. S. Forest Service				

4. Will affected area be subject to livestock or wildlife grazing? ☒ Yes  
( ) No Will vegetation protection be needed? \_\_\_\_\_

Slight grazing pressure, does not warrant protection

5. Will irrigation be used? ( ) Yes (X) No Type \_\_\_\_\_

6. Describe maintenance procedures for revegetation if needed, until surety release is granted. Monitoring and reseeding if necessary

I, the undersigned Operator, hereby submit this to be my Reclamation and Mining Plan for the area shown on the attached map. I further understand that the operation will be conducted in accordance with the Mined Land Reclamation Act of 1975, and all rules and regulations currently in effect thereunder.

Signed \_\_\_\_\_ Operator Date \_\_\_\_\_

Taken, subscribed and sworn to before me the undersigned authority in my said county, this \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_.

Notary Public \_\_\_\_\_

My Commission Expires: \_\_\_\_\_



STATE OF Colorado

COUNTY OF Mesa

I, Lark L. Washburn, having been duly sworn  
depose and attest that all of the representations contained in the foregoing  
application are true to the best of my knowledge; that I am authorized to  
complete and file this application on behalf of the Applicant and this  
application has been executed as required by law.

Signed: Lark L. Washburn

Taken, subscribed and sworn to before me the undersigned authority  
in my said county, this 28th day of April, 19 78.

Notary Public: Byron I. Nagato

My Commission Expires: September 30, 1980

PLEASE NOTE:

Section 40-8-13(2) of the Mined Land Reclamation Act provides as  
follows:

"Information relating to the location, size, or nature  
of the deposit and marked confidential by the operator,  
shall be protected as confidential information by the  
Board and the Division and not be a matter of public  
record in the absence of a written release from the  
operator, or until the mining operation has been  
terminated as provided in subsection (2) of section  
40-8-21."

Is confidential information contained herein?

YES \_\_\_\_\_ (Initial)

NO No \_\_\_\_\_ (Initial)

Sections desired to be maintained as confidential information -

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_